6TO/SB/21 (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

work Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# **TRANSMITTAL FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

| Application Number     | 09/802,959              |
|------------------------|-------------------------|
| Filing Date            | March 12, 2001          |
| First Named Inventor   | Hiromichi NAKATA et al. |
| Art Unit               | 1745                    |
| Examiner Name          | Tracy Dove              |
| Attorney Docket Number | 10517/88                |

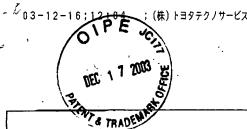
| ENCLOSURES (check all that apply)          |  |  |   |  |
|--|--|--|---|--|
| Fee Transmittal F                          | om                                     | ☐ Drawing(s)   | After Allowance Communication to Group                            |  |
| ☐ Fee Attached                             | i                                      | Licensing-related Papers                                       | Appeal Communication to Board of Appeals and Interferences        |  |
| Amendment / Re                             | ply                                    | Petition   | Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |  |
| After Final                                |  | Petition to Convert to a Provisional Application               | Proprietary Information   |  |
| Affidavits/declaration(s)                  |  | Power of Attorney, Revocation Change of Correspondence Address | Status Letter   |  |
| Extension of Time                          | e Request                              | Terminal Disclaimer  | Other Enclosure(s) (please identify below):                       |  |
| Express Abandonment Request                |  | Request for Refund  CD, Number of CD(s)                        | Declaration and Power of<br>Attorney                              |  |
| Information Disclo                         | osure Statement                        |  | ·   |  |
| Certified Copy of Document(s)              | Priority                               | Remarks  |   |  |
| Response to Miss Incomplete Applic         |  |  | i   |  |
|  | Response to Missing Parts under 37 CFR |  |   |  |
| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |  |  |   |  |
| Firm<br>or<br>Individual name              | or Laleh Jalali, Reg. No. 40.031       |  |   |  |
| Signature                                  | Signature Lalefalel.                   |  |   |  |
| Date 12-16-03                              |  |  |   |  |
| CERTIFICATE OF MAILING                     |  |  |   |  |

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name

Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. 478710\_1.DOC



PATENT Docket No. 10517 / 88

# **DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

# FUEL CELL GAS SEPARATOR, MANUFACTURING METHOD THEREOF, AND FUEL CELL

the specification of which is attached hereto unless the following is entered:

| was filed on   | as United States Application<br>Number or<br>PCT International Application<br>Number | and was amended on (if applicable) |
|----------------|--|------------------------------------|
| March 12, 2001 | 09/802,959   |                                    |

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

### PRIOR FOREIGN APPLICATION(S)

I hereby claim foreign priority benefits under 35 USC §119(a-d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application(s) for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

| Application Number | Country | Filing Date (day/month/year) | Priority Not Claimed |
|--------------------|---------|------------------------------|----------------------|
| 2000-068553        | Japan   | 13/3/2000                    |                      |
| 2000-169897        | Japan   | 7/6/2000                     |                      |
| 2001-058173        | Japan   | 2/3/2001                     |                      |

#### PROVISIONAL APPLICATION(S)

I hereby claim the benefit under 35 USC §119(e) of any United States provisional application(s) listed below:

| Application Number | Filing Date |  |
|--------------------|-------------|--|
|                    |             |  |

## PRIOR UNITED STATES APPLICATION(S)

I hereby claim the benefit under 35 USC §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 USC §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

| Application Number | Filing Date | Status (patented, pending, abandoned) |
|--------------------|-------------|---------------------------------------|
|                    |             |                                       |

Į,

| DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (Cont.)  POWER OF ATTORNEY  I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.  All practitioners identified at customer number 23838.  Direct telephone calls to:  JCHN C ALTMILLER  JC02) 220-4210  Thereby declare that all statements made herein of my own knowledge are true and all statements and belief are believed to se frue; and further that those statements were made with the knowledge that willful false statements and belief are believed to se frue; and further that those statements were made with the knowledge that willful false statements and belief are believed to se frue; and that these statements were made with the knowledge that willful false statements and the first or sole inventor.  I have been all statements made herein of my own knowledge are true and all statements made on information and belief are believed to se frue; and that these statements were made with the knowledge that willful false statements and the first or both, under §1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.  Part of first or sole inventor  NAKATA Hiromichi  Residence  City State or Country Country & Zip Code (Try Code)  Toyota-shi Alchi-ken Japan  Date  December 12, 2003  Full name of second International Alchi-ken Agraes (Try Code)  NABUSHIKI KAISHA  1, Toyota-cho  Toyota-shi Alchi-ken Japan  First Name Middle Name    |                                   |                                   |  | <u>PAIENT</u><br>Docket No. <u>10517 / 88</u>  |
|---|-----------------------------------|-----------------------------------|--|--|
| Nereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.   In the Patent and Trademark Office and the statement was provided to the patent and the statements and the let so made are punishable by the or imprisonment, which is the knowledge that willful false statements and belief are believed to be true; and further that these statements wave reaching the trademark and belief are believed to be true; and further that these statements wave reaching the trademark and belief are believed to be true; and further that these statements wave reaching the trademark and belief are believed to be true; and further that these statements wave reaching the patent is suing thereon.    In the Patent and Patent    | DECLARATION                       | ON AND POWER OF ATTO              | RNEY FOR PATENT APPLIC   | CATION (Cont.)   |
| the Patent and Trademark Office connected therewith:  All practitioners identified at customer number 23838  Direct telephone calls to:  JOHN C. ALTMILLER (202) 220-4210  I hereby declare that all statements made herein of my own knowledge are true and all statements made on information and belief are beliefed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under \$1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.  Full name of first or sole inventor  NAKATA  Hiromichi  Residence  City  City  Post Office Address (of TOYOTA JIDOSHA KABUSHIKI KAISHA  Signature  NOKOI  Last Name  First Name  First Name  First Name  First Name  Joecember 12, 2003  Full name of second Introduced and that such a such |                                   | POWER O                           | FATTORNEY  | d a a a a a ll b a i a i a   |
| All practitioners identified at customer number 23838  Direct telephone calls to:  KENYON & KENYON  JOHN C. ALTMILLER  (202) 220-4210  I hereby declare that all statements made herein of my own knowledge are true and all statements made on information and belief are belief are belief are belief are belief are belief at the belief are belief at the belief are belief at the belief at the belief are belief at the abelief at the belief   | I hereby appoint the following    | g attorney(s) and/or agent(s)     | to prosecute this application  | and to transact all business in  |
| Direct telephone calls to:   Send correspondence to:   KENYON & KENYON   A KENYON   T500 K. Street, N.W.   T500 K. Street, N.W.   Washington, DC 20005-1257   Washington    | the Patent and Trademark C        | outtomor number 22928             |  |  |
| SENYON & KENYON   Steret N.W.   1500 K. Street N.W.   1500 K. St    |                                   | Customer flumber 25058            | Send correspondence to:  |  |
| JOHN C. ALTMILLER (202) 220-4210  Thereby declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and belief are believed to be true; and all statements made on information and belief are believed to be true; and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements made on information and belief are believed to the true and all statements made on information and belief are believed to the United States Code and that such will the knowledge are true and all statements made on information and belief are believed to the United States Code and that such will the knowledge that will false statements were made with the knowledge to detail the first of the United States Code and that such will the knowledge of the United States Code and that such will the knowledge are used with the knowledge are used with the knowledge are used with the knowledge and statements water that where the knowledge and that such will the knowledge and the furth such apparance of the United States Code and that such will the knowledge and the furth such apparance of the United States Code and that such will the such apparance of the United States Code and that such will the such apparance of the United States Code and that such w  | Direct telephone cans to.         |                                   |  |  |
| Washington, DC 20005-1267   |                                   |                                   |  |  |
| Institute of the control of the co    | (202) 220-4210                    |                                   | Washington, DC 20005-125   | 7  |
| belief are believed to be Irue; and further that these statements were made with the knowledge that within lates statements and the knowledge that within lates statements and the knowledge that within lates statements and the like so made are punishable by fine or imprisonment, or both, under \$1000 not of fitte 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.  Full name of first or sold inventor  NAKATA Hiromichi  Residence City State or Country Aichi-ken Japan  Signature Whom Makata 1, Toyota-shi Aichi-ken, 471-8571 Japan  Signature Whom Makata 1, Toyota-shi Date December 12, 2003  Full name of second I Last Name First Name Middle Name  YOKOI Masayoshi  Residence City State or Country Country of Citizenship Japan  Post Office Address Cio Toyota JiDoSHA KABUSHIKI KAISHA 1, Toyota-cho Toyota-shi Aichi-ken Japan  Signature Makayam Yoko: Date December 12, 2003  Full name of third Inventor Date December 12, 2003  Full name of third Inventor ONISHI State or Country Middle Name  First Name Middle Name  First Name Middle Name  Date December 12, 2003  Full name of fourth Inventor Date December 12, 2003  Full name of fourth Inventor Date December 12, 2003  Full name of fourth Inventor AIHARA Hideo December 12, 2003  Full name of fourth Inventor Date December 12, 2003  Full name of fourth Inventor Date December 12, 2003  Full name of fourth Inventor Date December 12, 2003  Full name of fourth Inventor Date December 12, 2003  Full name of fourth Inventor Date December 12, 2003  Full name of fourth Inventor Date December 12, 2003  Full name of fourth Inventor Date December 12, 2003  Full name of fourth Inventor Date December 12, 2003  Full name of fourth Inventor Date December 12, 2003  Full name of fourth Inventor Date December 12, 2003  Full name of fourth Inventor Date December 12, 2003  Full name of fourth Inventor Date December 12, 2003  Full name of fourth Inventor Date December 12, 2003  Full name of fourth Inventor Date Decem | I bearing dealers that all chatas | ments made herein of my own       | knowledge are true and all state   | ements made on information and   |
| such willful statements may jeopardize the validity of the application or any patent assuing inereon.  Full name of first or sole inventor  Residence  City Toyota-shi Alchi-ken  | halief are ballound to be touch   | and further that these statement  | is were made with the knowledg   | e that willful faise statements and  |
| Full name of first or sole inventor   | the like so made are punishab     | ble by fine or imprisonment, or t | ooth, under \$1001 of little 18 of   | the United States Code and that  |
| Residence Residence Residence Residence Residence Residence City Toyota-shi Aichi-ken Residence Rost Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA Signature Whom Date Okazaki-shi Residence Re  | such willful statements may jed   | Last Name                         | First Name   | Middle Name  |
| Residence City Toyota-shi Toyota-shi Street City State or Country Aichi-ken City Toyota-shi Aichi-ken Signature City Toyota-shi Signature City Toyota-shi Signature City Toyota-shi Date December 12, 2003  Full name of second Inventor ONISHI Signature City State or Country & Zip Code Date December 12, 2003  First Name Middle Name  First Name City State or Country of Citizenship Japan  Middle Name  City State or Country of Citizenship Japan  City State or Country Country of Citizenship Japan  City State or Country State or Country of Citizenship Japan  Post Office Address Cio TOYOTA JIDOSHA KABUSHIKI KAISHA  Signature ONISHI Masazumi Post Office Address Cio Toyota-shi Siteet City State or Country Aichi-ken Japan  Middle Name  Middle Name  Middle Name  December 12, 2003  First Name Middle Name  December 12, 2003  First Name  First Name  First Name  Middle Name  December 12, 2003  City State or Country Aichi-ken Japan  Post Office Address Cio Toyota JIDOSHA KABUSHIKI KAISHA  1, Toyota-cho Toyota-shi Date  December 12, 2003  Middle Name  First Name  First Name  December 12, 2003  Middle Name  First Name  First Name  December 12, 2003  State or Country Aichi-ken, 471-8571 Japan  Date  December 12, 2003  State or Country & Zip Code  City State or Country Aichi-ken, 471-8571 Japan  Date  December 12, 2003  State or Country & Zip Code  City State or Country Aichi-ken  Japan  December 12, 2003  State or Country Aichi-ken  Japan  Signature  First Name  First Name  December 12, 2003  Middle Name  First Name  First Name  December 12, 2003  State or Country Aichi-ken  Japan  Signature  December 12, 2003  State or Country Aichi-ken  Japan  December 12, 2003  State or Country Aichi-ken  Japan  Date  December 12, 2003  Middle Name  Date  December 1  | -                                 | Last Name                         | , , , , , , , , , , , , , , , , , , ,  |  |
| Residence  City Toyota-shi Post Office Address C/O TOYOTA JIDOSHA KABUSHIKI KAISHA  I, Toyota-cho  City Data  Date  December 12, 2003  First Name Full name of second inventor ONISHI Residence  City Date  City ONISHI Residence  City ONISHI Residence  City Date  Date  December 12, 2003  First Name First Name Aichi-ken Aichi-ken, 471-8571 Japan  Middle Name  City Okazaki-shi Okazaki-shi Onishi Aichi-ken Aichi-ken Aichi-ken, 471-8571 Japan  Date  December 12, 2003  First Name  First Name First Name First Name  First Name  First Name  First Name  First Name  Post Office Address C/O TOYOTA JIDOSHA KABUSHIKI KAISHA  Nonethic City Toyota-shi Aichi-ken Aich  | SOIG IIIVEIILOI                   | NAKATA                            |  |  |
| Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  Toyota-shi  Signature  Working Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  Toyota-shi  Toyota-shi  Date  December 12, 2003  First Name  First Name  Masayoshi  Residence  City  Okazaki-shi  Ohishl  Masazumi  Date  December 12, 2003  Middle Name  Middle Name  First Name  First Name  Onishl  Masazumi  Onishl  Masazumi  Country of Citizenship  Japan  First Name  First Name  First Name  First Name  Date  December 12, 2003  State or Country & Zip Code  Aichi-ken, 471-8571 Japan  Date  December 12, 2003  State or Country & Zip Code  City  State or Country & Zip Code  Aichi-ken, 471-8571 Japan  Signature  Middle Name  First Name  First Name  First Name  First Name  First Name  First Name  December 12, 2003  State or Country & Zip Code  City  Toyota-shi  State or Country  Aichi-ken, 471-8571 Japan  Signature  Toyota-shi  Street  City  Toyota-shi  Street  City  Toyota-shi  State or Country  Aichi-ken, 471-8571 Japan  Middle Name  | Residence                         |                                   |  |  |
| Post Office Address C/O TOYOTA JIDOSHA KABUSHIKI KAISHA  I, Toyota-cho Toyota-shi Toyota-shi Date  December 12, 2003  Full name of second Inventor  Post Office Address C/O TOYOTA JIDOSHA KABUSHIKI KAISHA  I, Toyota-cho Toyota-shi Date  December 12, 2003  First Name  Post Office Address C/O TOYOTA JIDOSHA KABUSHIKI KAISHA  I, Toyota-cho Date December 12, 2003  Middle Name  City Okazaki-shi Okazaki-sh  |                                   |                                   | Aichi-ken  | Japan  |
| Aichi-ken, 471-85/1 Japan   Date   December 12, 2003  | Post Office Address               |                                   | City   | State or Country & Zip Code  |
| Full name of second inventor  Residence  Residence  City Okazaki-shi Ostreet City Okazaki-shi Ostreet City Okazaki-shi Ostreet City Ostate or Country Aichi-ken  Date  December 12, 2003  Full name of third inventor  Residence  City Toyota-shi City State or Country & Zip Code  Aichi-ken, 471-8571 Japan  Date  December 12, 2003  Full name of third inventor  Post Office Address Cio TOYOTA JIDOSHA KABUSHIKI KAISHA  I, Toyota-shi Street City State or Country Aichi-ken Japan  Middle Name  Middle Name  First Name  Middle Name  Country of Citizenship Japan  Country of Citizenship Japan  Country of Citizenship Japan  Toyota-shi Street City State or Country Aichi-ken Japan  Full name of fourth Inventor  Residence City Aichi-ken Aichi-ken, 471-8571 Japan  Date  December 12, 2003  First Name  First Name  Middle Name  First Name  December 12, 2003  State or Country & Zip Code  City Toyota-shi Aichi-ken, 471-8571 Japan  Date  December 12, 2003  State or Country of Citizenship Japan  Full name of fourth Inventor  Residence City Toyota-shi Aichi-ken Aichi-ken, 471-8571 Japan  Date  Date  Date  Date  Date  Date  Date  Date  Date  December 12, 2003   |                                   |                                   |  | Ainhi kan 471 9571 lanan   |
| Full name of second inventor  Residence  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  Residence  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  Toyota-shi  Date  December 12, 2003  Masazumi  Middle Name  Middle Name  Middle Name  Middle Name  First Name  Middle Name  First Name  Middle Name  City Toyota-shi State or Country Japan  City Toyota-shi State or Country Aichi-ken Japan  City Toyota-shi Date  December 12, 2003  Full name of fourth inventor  Full name of fourth inventor  Residence  City Toyota-shi Date  December 12, 2003  Aichi-ken, 471-8571 Japan  Middle Name  First Name  First Name  Middle Name  Middle Name  First Name  First Name  First Name  Middle Name  Middle Name  First Name  Middle Name  First Name  First Name  First Name  First Name  Middle Name  First Name  First Name  First Name  First Name  Middle Name  First Name  First Name  First Name  Middle Name  Middle Name  First Name  First Name  First Name  First Name  First Name  Middle Name  Middle Name  First Name  First Name  First Name  First Name  First Name  First Name  Middle Name  Aichi-ken, 471-8571 Japan  Post Office Address Contry of Citizenship Japan  Post Office Address Contry of Citizenship Japan  Toyota-shi Toyota-shi Aichi-ken, 471-8571 Japan  Date   |                                   |                                   |  | Alchi-keli, 471-6571 Japan   |
| Full name of second   Last Name   First Name   Middle Name  | Signature 24 2 pm                 | shir habota                       |  | 2003   |
| Residence  Residence  City Okazaki-shi Okazaki-ken Okazaki-shi Oka  |                                   |                                   |  |  |
| Residence    City   |                                   | Last Name                         | First Name   | Wildele Harrie   |
| Residence  City Okazaki-shi State or Country Aichi-ken Japan  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  I, Toyota-cho Toyota-shi Aichi-ken, 471-8571 Japan  Date  December 12, 2003  Last Name  Full name of third inventor  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  I, Toyota-shi Toyota-shi Aichi-ken, 471-8571 Japan  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  Signature  Full name of fourth inventor  Residence  City Toyota-shi Date  December 12, 2003  City State or Country Country Country & Zip Code  Aichi-ken, 471-8571 Japan  Date  December 12, 2003  First Name  First Name  Middle Name  First Name  Middle Name  First Name  First Name  First Name  Middle Name  City State or Country of Citizenship Japan  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  1, Toyota-cho Toyota-shi State or Country & Zip Code  City State or Country & State or Country & Zip Code  City State or Country & State or Country & Zip Code  City State or Country & Zip Code   | inventor                          | VOKOL                             | Masavoshi  |  |
| Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  I, Toyota-cho  Toyota-shi  Date  December 12, 2003  First Name  First Name  First Name  First Name  City  Toyota-shi  Nasazumi  Middle Name  Street  City  State or Country  Aichi-ken  State or Country  Japan  City  Toyota-shi  City  State or Country  Aichi-ken  State or Country & Zip Code  City  State or Country  Toyota-shi  City  State or Country  Aichi-ken, 471-8571 Japan  Date  December 12, 2003  First Name  First Name  First Name  Aichi-ken, 471-8571 Japan  Date  December 12, 2003  First Name  First Name  First Name  First Name  First Name  First Name  December 12, 2003  Country &   | Pacidance                         |                                   | State or Country   | Country of Citizenship   |
| Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  1, Toyota-cho  Date  December 12, 2003  First Name  Full name of third inventor  Residence City Toyota-shi City Toyota-shi Street City Toyota-shi Street City Toyota-shi Street City State or Country of Citizenship Japan  Street City State or Country of Citizenship Japan  State or Country of Citizenship Japan  State or Country & Zip Code  City State or Country & Zip Code  Toyota-shi Date  First Name  City State or Country of Citizenship Japan  Country of Citizenship Japan  Country of Citizenship Japan  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  1, Toyota-cho  Date  December 12, 2003  State or Country of Citizenship Japan  Country of Citizenship Japan  Country of Citizenship Japan  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  1, Toyota-cho  Date   | Residence                         |                                   |  | Japan  |
| C/O TOYOTA JIDOSHA KABUSHIKI KAISHA  1, Toyota-cho  Date  December 12, 2003  Last Name  Full name of third inventor  Residence  City Toyota-shi  Signature  City Toyota-shi  Street  City Toyota-shi  Signature  Last Name  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  Last Name  Last Name  Full name of fourth inventor  Residence  Last Name  Last Name  First Name  First Name  December 12, 2003  Aichi-ken, 471-8571 Japan  Date  December 12, 2003  Middle Name  First Name  Middle Name  First Name  Middle Name  First Name  First Name  Full name of fourth inventor  Residence  City Toyota-shi  City Toyota-shi  City Toyota-shi  City Toyota-shi  City Toyota-shi  Date  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  1, Toyota-cho  Date  | Post Office Address               | 1                                 | City   | State or Country & Zip Code  |
| Signature  MAAAY Shi Yokoc  Last Name  Full name of third inventor  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  Residence  Full name of fourth inventor  Residence  City  City  Toyota-shi  Date  December 12, 2003  Middle Name  Masazumi  Masazumi  State or Country Country of Citizenship Japan  City  State or Country & Zip Code  Toyota-shi  Date  December 12, 2003  First Name  Middle Name  Middle Name  First Name  Middle Name  First Name  Middle Name  First Name  Middle Name  First Name  First Name  Middle Name  First Name  City  Toyota-shi  December 12, 2003  First Name  Middle Name  First Name  Middle Name  First Name  First Name  Middle Name  First Name  City  Toyota-shi  City  Toyota-shi  Post Office Address c/o TOYOTA JIDOSHA  KABUSHIKI KAISHA  1, Toyota-cho  Toyota-shi  Date   |                                   |                                   |  |  |
| Last Name   First Name   Middle Name  |                                   | 1, Toyota-cho                     | <u> </u>   | Aichi-ken, 471-8571 Japan  |
| Last Name   First Name   Middle Name  | Signature (                       | 0. J. S.                          | 1  | 2 2003   |
| Full name of third inventor  Residence  City State or Country Aichi-ken  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  Full name of fourth inventor  Residence  City State or Country & Zip Code  City State or Country & Zip Code  Toyota-shi  Date  December 12, 2003  First Name  First Name  Middle Name  First Name  Middle Name  Full name of fourth inventor  Residence  City State or Country & Zip Code  City Country of Citizenship Japan  City State or Country Aichi-ken  First Name  City State or Country of Citizenship Japan  Post Office Address City State or Country & Zip Code  City Toyota-shi  City State or Country & Zip Code  City Toyota-shi  City State or Country & Zip Code   | masagos                           | n yopor                           |  |  |
| Residence   |                                   | Last Name                         | First Name   | Middle Name  |
| Residence  City Toyota-shi  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  I, Toyota-cho  City  Toyota-shi  City  State or Country & Zip Code City  Toyota-shi  Aichi-ken, 471-8571 Japan  Date  December 12, 2003  Last Name  Full name of fourth inventor  Residence  City  Toyota-shi  AiHARA  Hideo  Residence  City  Toyota-shi  Aichi-ken  City  Toyota-shi  City  Toyota-shi  City  State or Country  Aichi-ken  Country of Citizenship  Japan  Country of Citizenship  Country of Citizenship  Japan  City  Toyota-shi  City  Toyota-shi  City  State or Country  Aichi-ken  Toyota-shi  Aichi-ken, 471-8571 Japan  Cienters  City  Country & Zip Code  |                                   | 0.00.0                            | Macanimi   |  |
| Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  I, Toyota-cho  Toyota-shi  Date  December 12, 2003  Last Name  Full name of fourth inventor  Residence  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  I, Toyota-cho  Toyota-shi  Date  December 12, 2003  Middle Name  Middle Name  First Name  Hideo  State or Country of Citizenship Japan  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  I, Toyota-cho  Toyota-shi  Date  |                                   |                                   | The state of the s | Country of Citizenship   |
| Post Office Address   Street   City   State or Country & Zip Code   | Hesidence                         |                                   |  |  |
| C/o TOYOTA JIDOSHA KABUSHIKI KAISHA  1, Toyota-cho  Date  December 12, 2003  Last Name  Full name of fourth inventor  Residence  City Toyota-shi  Post Office Address C/o TOYOTA JIDOSHA KABUSHIKI KAISHA  1, Toyota-cho  Toyota-shi  December 12, 2003  Middle Name  Middle Name  Middle Name  Country of Citizenship Japan  City City Toyota-shi City  Toyota-shi  Toyota-shi  Date  Date   | Part Office Address               |                                   |  |  |
| Signature    Nasayumi Onishi   December 12, 2003  |                                   | 3                                 | 1  |  |
| Signature  Masayumi Chishi  December 12, 2003  Last Name  First Name  Middle Name  Full name of fourth inventor  Residence  City Toyota-shi  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  1, Toyota-cho  Date  December 12, 2003  Middle Name  Middle Name  Country of Citizenship Japan  City State or Country & Zip Code  City Toyota-shi Aichi-ken, 471-8571 Japan  Date   |                                   | 1, Toyota-cho                     | Toyota-shi   | Aichi-ken, 471-8571 Japan  |
| Madayuma Unisha   December 12, 2003   |                                   |                                   |  |  |
| Full name of fourth inventor  Residence  City Toyota-shi  Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA  Last Name  Hideo  State or Country Aichi-ken  City City Toyota-shi  City Toyota-shi  Toyota-shi  Date  Middle Name  Middle Name  Middle Name  Middle Name  Middle Name  Country of Citizenship Japan  State or Country & Zip Code  Toyota-shi Aichi-ken, 471-8571 Japan  | masan                             | mi Unishi                         | December 12  |  |
| inventor     AIHARA     Hideo       Residence     City     State or Country     Country of Citizenship       Post Office Address     Street     City     State or Country & Zip Code       c/o TOYOTA JIDOSHA     City     State or Country & Zip Code       KABUSHIKI KAISHA     1, Toyota-cho     Toyota-shi     Aichi-ken, 471-8571 Japan  |                                   | Last Name                         | First Name   | Middle Name  |
| Residence City Toyota-shi Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA 1, Toyota-cho State or Country Aichi-ken City State or Country & Zip Code City Toyota-shi Aichi-ken, 471-8571 Japan Date  | Full name of fourth               |                                   | l  |  |
| Post Office Address c/o TOYOTA JIDOSHA KABUSHIKI KAISHA 1, Toyota-cho Toyota-shi Date   | inventor                          |                                   |  | Country of Citizonship   |
| Post Office Address City State or Country & Zip Code c/o TOYOTA JIDOSHA KABUSHIKI KAISHA 1, Toyota-cho Toyota-shi Aichi-ken, 471-8571 Japan  Date   | Residence                         |                                   | 1  | · · · · · · · · · · · · · · · · · · ·  |
| c/o TOYOTA JIDOSHA KABUSHIKI KAISHA 1, Toyota-cho Toyota-shi Aichi-ken, 471-8571 Japan  |                                   |                                   |  | State or Country & Zin Code  |
| KABUSHIKI KAISHA 1, Toyota-cho Toyota-shi Aichi-ken, 471-8571 Japan   |                                   | Street                            | City.  | Clare or Courtiny & Zip Code   |
| Date  |                                   | 1 Toyota-cho                      | Toyota-shi   | Aichi-ken, 471-8571 Japan  |
| December 12, 2003   | Cianata                           |                                   |  | The state of the s |
|   | Signature Idida                   | (Vilara)                          | Į.   | 2, 2003  |

・ 03-12-16;12:04 ;(株)トヨタテクノサービス

| Full name of fifth or sole inventor                       | Last Name      | First Name                       | Middle Name                              |
|---|----------------|----------------------------------|--|
| sole inventor   | MURATE         | Masashi                          |  |
| Residence   | City           | State or Country                 | Country of Citizenship                   |
|   | Nagoya-shi     | Aichi-ken                        | Japan                                    |
| Post Office Address c/o TOYOTA JIDOSHA                    | Street         | City                             | State or Country & Zip Code              |
| KABUSHIKI KAISHA  | 1, Toyota-cho  | Toyota-shi                       | Aichi-ken, 471-8571 Japan                |
|   |                | Date                             |  |
| Signature Masashi Murate                                  |                |                                  | r 12, 2003                               |
| Full name of sixth or                                     | Last Name      | First Name                       | Middle Name                              |
| sole inventor   | KAJI           | Yoshifumi                        |  |
| Residence   | City           | State or Country                 | Country of Citizenship                   |
|   | Okazaki-shi    | Aichi-ken                        | Japan                                    |
| Post Office Address                                       | Street         | City                             | State or Country & Zip Code              |
| c/o TOYOTA JIDOSHA<br>·KABUSHIKI KAISHA                   | 1, Toyota-cho  | Toyota-shi                       | Aichi-ken, 471-8571 Japan                |
|   |                | Date                             | 100000000000000000000000000000000000000  |
| Signature Yashifumi Kaji                                  |                |                                  | r 12, 2003                               |
| Full name of seventh or                                   | Last Name      | First Name                       | Middle Name                              |
| sole inventor   |                |                                  |  |
| Residence   | City           | State or Country                 | Country of Citizenship                   |
|   |                |                                  |  |
| Post Office Address                                       | Street         | City                             | State or Country & Zip Code              |
|   |                |                                  |  |
| Signature   | <u> </u>       | Date                             |  |
| O,g.,a.c. c   |                |                                  |  |
| Full name of eighth or                                    | Last Name      | First Name                       | Middle Name                              |
| sole inventor   |                |                                  |  |
| Residence   | City           | State or Country                 | Country of Citizenship                   |
| , ieside i ke   | 0,             |                                  |  |
| Post Office Address                                       | Street         | City                             | State or Country & Zip Code              |
|   |                |                                  |  |
| Signature   | <u> </u>       | Date                             |  |
| o.gr.a.u.o  |                |                                  |  |
| Full name of ninth or                                     | Last Name      | First Name                       | Middle Name                              |
| sole inventor   |                |                                  |  |
| Residence   | City           | State or Country                 | Country of Citizenship                   |
| residence   | City           | Chair or ocumity                 |  |
| Post Office Address                                       | - C            |                                  |  |
|   | Street         | City                             | State or Country & Zip Code              |
|   | Street         | City                             | State or Country & Zip Code              |
|   | Street         |                                  | State or Country & Zip Code              |
| Signature   | Street         | City                             | State or Country & Zip Code              |
|   | Last Name      |                                  | State or Country & Zip Code  Middle Name |
| Signature   |                | Date                             |  |
| Signature Full name of tenth or sole inventor             | Last Name      | Date<br>First Name               | Middle Name                              |
| Signature  Full name of tenth or                          |                | Date                             |  |
| Signature Full name of tenth or sole inventor             | Last Name      | Date<br>First Name               | Middle Name                              |
| Signature  Full name of tenth or sole inventor  Residence | Last Name City | Date First Name State or Country | Middle Name  Country of Citizenship      |
| Signature  Full name of tenth or sole inventor  Residence | Last Name City | Date First Name State or Country | Middle Name  Country of Citizenship      |

# Title 37, Code of Federal Regulations, Section 1.56 **Duty to Disclose Information Material to Patentability**

- A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of an evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclosure information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
  - Prior art cited in search reports of a foreign patent office in a counterpart application, and (1)
- The closest information over which individuals associated with the filing or prosecution of a patent (2) application believe any pending claim patentably defines, to make sure that any material information contained therein disclosed to the Office.
- Under this section, information is material to patentability when it is not cumulative to information already of record or being made or record in the application, and
- It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
  - It refutes, or is inconsistent with, a position the applicant takes in: (2)
  - Opposing an argument of unpatentability relied on by the Office, or (i)
  - (ii) Asserting an argument of patentability.

03-12-16;12:04 ; (株) トヨタテクノサービス

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- Individuals associated with the filing or prosecution of a patent application within the meaning of this (c) section are:
  - Each inventor named in the application; (1)
  - Each attorney or agent who prepares or prosecutes the application; and (2)
- Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.